



The SonicWALL Distributed Wireless Solution

WIRELESS

Fully Integrated Network Security for Wired and Wireless Networks

Features and Benefits

- Seamless wireless roaming
- Comprehensive wireless and wired security
- Low TCO
- Easily scalable

SonicWALL® makes distributed wireless networking secure, simple and cost-effective with the first total security solution to integrate universal 802.11a/b/g wireless with an enterprise-class firewall/VPN gateway. SonicWALL's innovative Distributed Wireless Solution scales to virtually any network deployment, whether you're adding wireless into an existing network infrastructure or creating a new wireless network from the ground up.

Larger companies can take advantage of SonicWALL's trusted wireless security functionality by deploying SonicPoints™ throughout any network. SonicPoints—IEEE 802.11a/b/g satellite access points—provide secure wireless LAN connectivity for users on the network. SonicPoints require no pre-configuration, as they are centrally configured, managed, and updated by any SonicWALL network security appliance.*

SonicWALL's new wireless solution is built around our award-winning line of network security appliances. Within a large office building, network administrators can deploy the appropriate SonicWALL network security appliance as the gateway device, then simply distribute SonicPoints at optimal locations throughout the building, allowing employees to seamlessly roam. This eliminates the need for a separate wireless appliance at the network perimeter, providing airtight wireless mobility for employees, as well as secure Internet access for guests.

The business benefits of wireless are plentiful. By selecting a SonicWALL wireless platform, you can reap the rewards of a more productive and mobile workforce while protecting information assets with powerful, proven security.

Features and Benefits

Seamless inter-office wireless roaming

Maintain secure access to your complete wireless network from SonicPoint to SonicPoint without losing connectivity

Comprehensive security

Provide total security enforcement, central management, and scalability for both your wired and wireless networks from a single security platform

Impenetrable wireless security

Ensure the highest level of security by enforcing IPSec VPN connectivity to the WLAN for all wireless traffic

Low TCO

Avoid implementing and separately managing an expensive wireless-specific solution that runs in parallel to your wired network

Easily scalable

Extend your wireless coverage area by adding SonicPoints to the network as needed

Granular communication control

Apply firewall rules to all wireless traffic and control all wireless client communication to any host – wired or wireless

Rogue access point detection

Detect rogue access points on both 2.4 and 5 GHz spectrums simultaneously

Wireless Guest Services (WGS)

Easily provide wireless guest Internet access through the auto-generation of guest accounts without compromising the integrity of your network

Standards-based

Support wireless security standards such as WEP and WPA, as well as AES encryption for future 802.11i support

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*SonicWALL TZ 170 and PRO series security appliances require SonicOS Enhanced 2.5 or greater for distributed wireless LAN functionality



SonicWALL's

innovative

Distributed

Wireless Solution

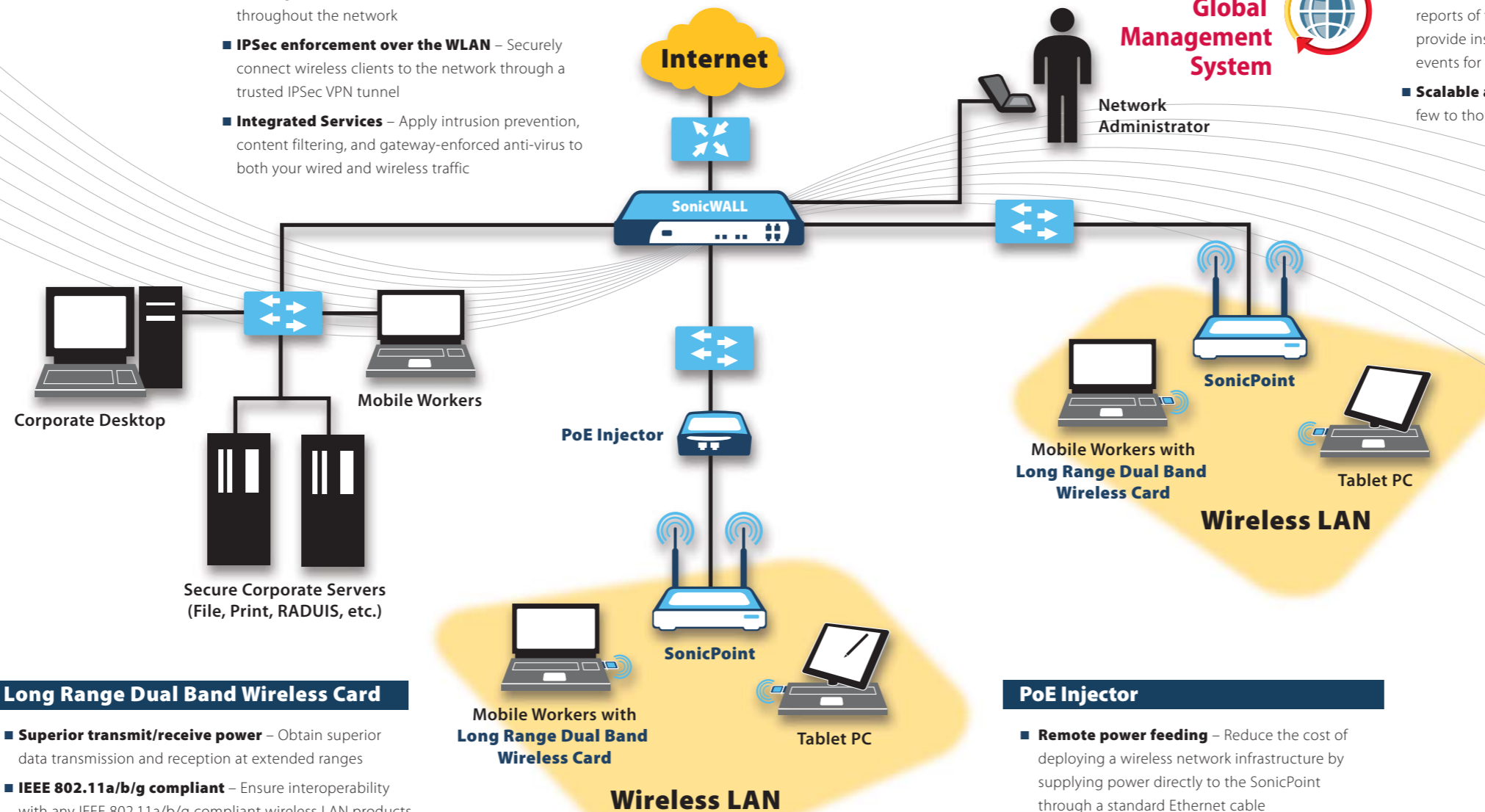
scales to virtually

any network

deployment

SonicWALL Security Appliance

- **Central management** – Conveniently manage and configure all SonicPoints from the management interface of the governing SonicWALL security appliance
- **Centralized security policies** – Enforce corporate security policies for both the wired and wireless network from a single management interface
- **Advanced wireless LAN features** – Deploy advanced WLAN features such as wireless intrusion detection, wireless firewalling, secure wireless roaming, and Wireless Guest Services (WGS) throughout the network
- **IPSec enforcement over the WLAN** – Securely connect wireless clients to the network through a trusted IPSec VPN tunnel
- **Integrated Services** – Apply intrusion prevention, content filtering, and gateway-enforced anti-virus to both your wired and wireless traffic



Long Range Dual Band Wireless Card

- **Superior transmit/receive power** – Obtain superior data transmission and reception at extended ranges
- **IEEE 802.11a/b/g compliant** – Ensure interoperability with any IEEE 802.11a/b/g compliant wireless LAN products
- **Up to 108Mbps 802.11a and 802.11g data rates** – Attain high-speed data rates when using the Long Range Dual Band Wireless Card with SonicWALL's SonicPoint
- **IEEE 802.11d multi-country roaming support** – Automatically adjust settings such as transmit power and channel of operation to comply with country-specific regulatory requirements

PoE Injector

- **Remote power feeding** – Reduce the cost of deploying a wireless network infrastructure by supplying power directly to the SonicPoint through a standard Ethernet cable
- **IEEE 802.3af compliant** – Deliver standards-based 802.3af Ethernet (PoE) automatically to SonicPoints or any 802.3af-compliant appliance
- **Ease-of-use** – Take advantage of the plug-and-play capability to enable rapid deployment of your wireless infrastructure
- **Advanced auto-sensing algorithm** – Utilize built-in intelligence to automatically determine and supply power to only those devices that can accept 802.3af power over the Ethernet connection

Global Management System (GMS)

- **Centralized global management** – Reduce administration time, costs and complexity associated with establishing and maintaining corporate policies for your geographically distributed wired and wireless networks
- **Managed VPN services** – Usually a complex and time-consuming process, VPN deployment and management is easy and intuitive with SonicWALL Global Management System (GMS)
- **Centralized reporting** – Obtain graphical reports of firewall and network activities to provide insight into usage trends and security events for all managed SonicWALL appliances
- **Scalable architecture** – Manage anywhere from a few to thousands of distributed networks

SonicPoint

- **IEEE 802.11a/b/g compliant** – Allows interoperability with any standards-compliant 802.11a/b/g wireless clients
- **Automatically provisioned** – SonicPoints provide plug-and-play capabilities for automatic configuration and management from the SonicWALL gateway security appliance using pre-defined profiles
- **WPA support using TKIP or AES** – In keeping with industry standards, SonicPoints can also support WPA for added security to the wireless network
- **IEEE 802.11d multi-country roaming support** – Automatically adjust settings such as transmit power and channel of operation to comply with country-specific regulatory requirements
- **Up to 108Mbps 802.11a and 802.11g data rates** – Handle heavy data payloads with ease by utilizing SonicWALL Long Range Dual Band Wireless Cards
- **IEEE 802.3af Power over Ethernet Injector (PoE)** – Add Power-over-Ethernet (PoE), allowing easy deployment—especially where electrical power is not readily accessible

Specifications



SonicPoint
SonicPoint (N. America)
01-SSC-5522
SonicPoint (International)
01-SSC-5523
SonicPoint (Japan)
01-SSC-5524



PoE Injector
SonicWALL PoE Injector (N. America)
01-SSC-5531
SonicWALL PoE Injector
(International including Japan)
01-SSC-5532



Long Range Dual Band Wireless Card
Long Range Dual Band Wireless Card
(N. America)
01-SSC-5515
Long Range Dual Band Wireless Card
(International)
01-SSC-5514

SonicPoint

Hardware	
Dimensions	9.07(L) x 6.63(W) x 1.63(H) in 23.03(L) x 16.84(W) x 4.14(H) cm
Weight	1.2 lbs (0.55 kg)
Power	12 V
Antenna	2 dual band 5dBi omni-directional diversity antennas
Status Indicators	6 LEDs: power, 802.11b/g, 802.11a, LAN (10/100/link)
Wired Network Ports	1 10/100 auto-sensing RJ-45 port for Ethernet and Power over Ethernet (PoE) 1 serial console port
Mechanical	Wall or ceiling mount kit

Recommended Managed Units (Requires SonicOS Enhanced 2.5 or greater)

Security appliance	Per WLAN interface	Per appliance
TZ 170 Series	2 SonicPoints	2 SonicPoints
PRO 2040	4 SonicPoints	4 SonicPoints
PRO 3060	8 SonicPoints	8 SonicPoints
PRO 4060	16 SonicPoints	32 SonicPoints
PRO 5060	32 SonicPoints	128 SonicPoints

Standards

Compliance	IEEE 802.11a/b/g, 802.11d, 802.3af, WPA, TKIP, AES
Regulatory	FCC/ICES Class B, CE, C-Tick, VCCI Class B, BSMI Class B, MIC, NOM, CCC
Safety	UL, cUL, TUV-GS, CB

Environment

Temperature Range	32° to 104°F, 0 to 40°C
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Radio Specifications

Frequency Band	5.15-5.25 GHz, 5.25-5.35 GHz, 5.725-5.825 GHz
802.11a:	2.412 – 2.462 GHz (US)
802.11b/g:	2.412 – 2.484 GHz (Japan) 2.412 – 2.472 GHz (Europe ETSI) 2.457 – 2.462 GHz (Spain) 2.457 – 2.472 GHz (France)
Operating Channel	US & Canada: 12 channels (FCC) Europe: 11, Japan: 4, Singapore: 4, Taiwan: 4
802.11b/g:	US & Canada: 1-11 channels (FCC) Europe: 1-13 (ETSI), Japan: 14, Spain: 2, France: 4
DFS:	Dynamic frequency selection supported
Transmit Output:	Power based on the regulatory domain specified by the system administrator Transmit power control supported
TPC:	
Data Rates Supported	
802.11a:	6, 9, 12, 18, 24, 36, 48, 54, 108* Mbps per channel
802.11b:	1, 2, 5.5, 11 Mbps per channel
802.11g:	6, 9, 12, 18, 24, 36, 48, 54, 108* Mbps per channel
Modulation Technology	
802.11a:	Orthogonal Frequency Division Multiplexing (OFDM) BPSK, QPSK, 1-QAM, 64-QAM
802.11b:	Direct Sequence Spread Spectrum (DSSS) CCK, BPSK, QPSK
802.11g:	Orthogonal Frequency Division Multiplexing (OFDM) CCK, BPSK, QPSK, 16-QAM, 64-QAM

Security

Data Encryption	WPA, 64/128/152-bit WEP, TKIP, AES, 802.11i ready
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SonicWALL Value-added Security Services

SonicWALL Internet security appliances integrate seamlessly with an expanding array of value-added security services to provide a comprehensive security solution. Enforced anti-virus, content filtering, and intrusion prevention can be enforced over the WLAN.

For more information on SonicWALL security services, including enforced anti-virus and content filtering, please visit our Web site at <http://www.sonicwall.com/products/vpnsoft.html>

PoE Injector

Hardware	
Dimensions	1.75(L) x 4.17(W) x 5.50(H) in 118(L) x 54(W) x 6.3(H) mm
Weight	1.0 lbs (450 g)
Power Over LAN Output	3.3 V to 5 V
Connectors	Shielded RJ-45, EIA 568A and 568B
Number of Ports	2: (1) data in, (1) data and power out
Status Indicators	System indicator, AC power (green) User indicator, channel power active (green)
Data Rates	10/100 Mbps

Power Over LAN Output

Pin Assignment/Polarity	4/5 (+), 7/8 (-)
Output Power	-48 VDC

Voltage

User Port Power	15.4 W minimum
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Input Power Requirements

AC Input Voltage	90 to 264 VAC
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Standards

Regulatory	CE
Electromagnetic Emission and Immunity	FCC Part 15, Class B, EN55022 Class B (emissions)
Safety	UL 1950, CSA C22.2 No. 950

Environment

Temperature Range	32° to 104°F, 0 to 40°C
Thermal Rating	127.5 BTU (-48 VDC)

Long Range Dual Band Wireless Card

Hardware

Dimensions	4.65(L) x 2.13(W) x .30(H) in 118(L) x 54(W) x 6.3(H) mm
Weight	1.4 oz (40 g)
Power	3.3 V
Antenna	Integrated, with built-in diversity
Status Indicators	RF link activity
System Interface	32-bit CardBus PC card standard , V7.1 Type II

Network

Drivers	Windows 98SE/ME/2000/XP
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Standards

Regulatory	FCC Part 15/UL, ETSI 300/328/CE
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Environment

Temperature Range	32° to 104°F, 0 to 40°C
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Security

Data Encryption	WPA, 64/128/152-bit WEP, TKIP, AES, 802.11i ready
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Radio Specifications

Frequency Band	5.15-5.25 GHz, 5.25-5.35 GHz, 5.725-5.825 GHz
802.11a:	2.412 – 2.462 GHz (US), 2.412 – 2.484 GHz (Japan), 2.412 – 2.472 GHz (Europe ETSI), 2.457 – 2.462 GHz (Spain), 2.457 – 2.472 GHz (France)
802.11b/g:	
Transmit Output	
802.11a:	Up to 18 dBm
802.11g:	Up to 20 dBm
802.11b:	Up to 20 dBm
Data Rates Supported	
802.11a:	6, 9, 12, 18, 24, 36, 48, 54, 72, 96 & 108 Mbps per channel
802.11b:	1, 2, 5.5, 11 Mbps per channel
802.11g:	6, 9, 12, 18, 24, 36, 48, 54, 72, 96 & 108 Mbps per channel
Modulation Technology	
802.11a/g:	Orthogonal Frequency Division Multiplexing (OFDM) BPSK, QPSK, 1-QAM, 64-QAM
802.11b:	Direct Sequence Spread Spectrum (DSSS) CCK, BPSK, QPSK

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*Requires SonicWALL Long Range Dual Band Wireless Card

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making • networks • better

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